

Abstract

An electrochemical capacitor which comprises a separating layer on a carrier, the separating layer being a porous inorganic nonelectroconductive coating which comprises particles of
5 compounds of the elements Al, Si and/or Zr which are adhered to each other and to the carrier by an inorganic adhesive. The carrier can be a porous electrode or can be a porous and sheetlike substrate which comprises polymeric fibers.